

Pre-Certification Test Activity Matrix - LaRC DAAC Launch Critical Scenarios. (MARCH 1998)

Pre-Certification Test Activity Matrix

Pre-Certification Test Activity Matrix is prepared for the LDAAC to examine the extent to which the SV tests and Acceptance Tests (A/Ts) meet the pre-requisite test activities. The matrix is based on the DAAC Operations Rehearsal Scenarios, the SV and A/Ts, which are traced to the scenarios by ECS. The matrix also include reference to DAAC External Interfaces and EGS System Level Certification Tests..

The SV and A/Ts have been reviewed for applicability and completeness with reference to meeting the certification pre requisites. The test activity matrix will be updated as required, when the SV and ATs are updated and the operational procedures are completed by the DAAC. The test activity matrix will be used to identify the functions if any, where the SV and A/Ts fall short of verifying the scenarios so that appropriate actions can be taken by DAAC/EGSI&T to ensure that ICT and EGS tests verify these functions. This matrix will be used as a “check-off” list to track and evaluate the extent to which the prerequisite test activities required for execution of the joint DAAC - EGS I&T Science & Operations Certification Tests have been completed prior to the certification test period

Preparation of Test Activity Matrix

Operations Rehearsal Scenarios identified for LDAAC formed the basis for identifying the tests to be completed as part of pre-certification activities. The procedure for preparation of the Test Activity Matrix is:

1. Identify all Launch Critical Rehearsal Scenarios
2. For each scenario, obtain details of all SV and ATs and EGS ICT Tests which are identified by EGS and the DAACs as applicable to the scenario.
3. Identify the relevant EGS Certification tests for each scenario
4. Identify the relevant EGS ICT Interface tests for each scenario
5. For each Acceptance Test identified in step 2 above, review the scope, expected results, acceptance criteria, and provide comments for additions and changes as necessary.
6. Review the scope of all the SV and A/Ts traced to each scenario ‘as a group’ and specify if they completely test the scenario; if not identify the parts of the scenario not addressed by the SV and A/Ts.

The Test Activity Matrix.Prepared using the results of this analysis/review is presented in Attachment - 1

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Attachment-1

Certification Test Activity Matrix Definition of the Columns

The Pre-Certification Test Activity Matrix is explained below. Each column is defined.

1. **Column 1 - Scenario-** This column contains the DAAC identified Launch Critical scenario ID number.
2. **Column 2 - OPS Rehearsal Launch Critical Scenario** This column contains the title of the LC scenario and a abstract of what operations are performed in the scenario.
3. **Column 3 - Pre-Certification Tests** -The SV/AT and EGS ICT tests that are identified in this column are those tests that need to be accomplished in order to satisfy Operations that the scenario is complete. These tests need to be successfully completed before the Certification tests are run. The tests are identified in this column by the ID number and a brief description of what the test is testing.
4. **Column 4 - Status of Pre-Certification Tests** This column is to identify whether the test has been completed, when completed, and passed, failed, or not conducted.
5. **Column 5 - Comments on the Expected Results, Acceptance Criteria & Operation Procedures -** This column is to identify short comings of Column 3 for areas of the Launch Critical Scenario that the tests do not cover. This column also is to identify OPS Procedures which will cover the short comings of the tests. If there are no short comings this column will be blank.
6. **Column 6 - NCR Status** -This column is to identify NCR written against the tests in Column 3 and what the status of the NCR.
7. **Column 7 - EGS Information** -This column is split into two sub-columns, EGS Test and Test Data Status. The EGS Test Column identifies the EGS Certification Test(s) that will be run against the scenario, (i.e. E-EGS10). The other sub-column, Test Data Status, is to identify the status and/or provide comments on the availability of the test data that will be used in the EGS test.
8. **Column 8 - Operation Procedures Status** This column identifies the status on writing new procedures and/or updating the Operation Procedures (from the 611 Document) which are needed to run the scenario. It is intended that a separate document will identify a list of the procedures and provide a status of each procedure. This column is a overall summary of the status of all the procedures against this scenario.

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Scenario	OPS Rehearsals Launch Critical Scenario (Task/Activity/Operation)	Pre-Certification Tests (SV/AT Tests & ICT Tests)	Status of Pre- Certification Tests	Comments on the Expected Results, Acceptance Criteria & Operation Procedures	NCR Status (#, Class, Status)	EGS Information		Operation Procedures Status (% Complete)
						EGS Test	Test Data Status	
L-LC-1	CERES L0 Ingest and Archive: This scenario exercises: 1)The electronic transfer of CERES L0 data to LDAAC/Bldg 1268C; 2) Ingest of the CERES L0 data into LDAAC_ECS, and 3) The archival of the CERES L0 data in LDAAC_ECS	B090110.090\$L: This procedure verifies the data Ingest and Archive at the LaRC DAAC.	ON HOLD	CERES ON HOLD		EGS 10 EGS 11		
		B090110.100\$L: This procedure verifies the CERES data Ingest and Archive under fault conditions						
L-LC-2	MISR L0 Ingest and Archive: This scenario exercises: 1)The electronic transfer of MISR L0 data to LDAAC/Bldg 1268C; Ingest of the MISR L0 data into LDAAC_ECS, and 3) The archival of the MISR L0 data in LDAAC_ECS	B120430.020\$L: This procedure verifies the end to end CERES Level 0 Ingest and Archive.	B090110.100\$L DELETED			EGS 10 EGS 11.		
		ICT 3						
L-LC-3	MOPITT L0 Ingest and Archive: This scenario exercises: 1)The electronic transfer of MOPITT L0 data to LDAAC/Bldg 1268C; Ingest of the MOPITT L0 data into LDAAC_ECS, and 3) The archival of the MOPITT L0 data in LDAAC_ECS	B090110.090\$L: This procedure verifies the data Ingest and Archive at the LaRC DAAC.				EGS 10 EGS 11		
		B090110.100\$L: This procedure verifies the MISR data Ingest and Archive under fault conditions						
		B120430.020\$L: This procedure verifies the end to end MISR Level 0 Ingest and Archive.						
		ICT- 3						
		B090110.090\$L: This procedure verifies the data Ingest and Archive at the LaRC DAAC.						
		B090110.100\$L: This procedure verifies the MOPITT data Ingest and Archive under fault conditions						
		B120430.020\$L: This procedure verifies the end to end MOPITT Level 0 Ingest and Archive.						
		B120430.020\$L: This procedure verifies the end to end MOPITT Level 0 Ingest and Archive.						

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						EGS Test	Test Data Status	
				procedure.				
		ICT- 3						
L-LC-4	Sage III L0 Ingest and Archive: This scenario exercises: 1)The electronic transfer of SAGE III L0 data into LDAAC/Bldg 1268C; 2)Ingest of the SAGE III L0 data into LDAAC_ECS, and 3) the archival of the SAGE III L0 data in LDAAC_ECS.	B090120.010\$L: This procedure is being rewritten. B120530.020\$L: This procedure verifies the SAGE III Level 0 Data Ingest and Archive in the LaRC DAAC.	ON HOLD	SAGE III ON HOLD		EGS 10 EGS 11		
		ICT- 15						
L-LC-5	Ancillary Ingest and Archive: This scenario exercises: 1) The electronic transfer of ancillary data needed for production; 2) Ingest of all ancillary data in LDAAC_ECS; and 3) Archival of all ancillary data in LDAAC_ECS.	B090130.010\$L: This procedure verifies the capability of the LDAAC to ingest, validate and archive the NOAA ADC Ancillary data. B120430.030\$L: This procedure deals with transfer of CERES data and validation / processing / QA and archival of higher level data products. B120510.030\$L: This procedure deals with transfer of MISR and MOPITT data and validation / processing / QA and archival of higher level data products		B090130.010\$L: This procedure fails to verify 1) Steps that would be needed if during NOAA ADC metadata validation faults are encountered; 2) Steps that would be needed if the electronic transfer of data from NOAA ADC to LDAAC runs into problems; 3) Step 490 incorrectly states that "PDR is found to be invalid". It should state that PDR is found to be valid. B120430.030\$L: The scope of this procedure does not deal with the ingest and archival of Ancillary data. That has already been covered in B090130.010\$L. Is not a required procedure to test the ingest and archival of Ancillary data. B120510.030\$L:		EGS 10 EGS 11.		

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				1) The scope of this procedure does not deal with the ingest and archival of Ancillary data. That has already been covered in B090130.010\$L. Is not a required procedure to test the ingest and archival of Ancillary data				
		ICT- 4						
L-LC-6.	CERES Processing and Archive Drop 3 & 3.5 This scenario exercises: 1) Planning of CERES L1B, L2, and L3 processing; 2) processing of the CERES L0 data to produce CERES L1B product, and further processing to produce CERES L2 and L3 Products; and 3) archival of CERES L1B, L2, and L3 products in LDAAC_ECS.	B090110.030\$L The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. The processing of the higher level CERES data products is achieved via the chaining of a series of CERES PGEs. Also, this test is to verify the capability of the LaRC ECS DAAC to archive Level 1B, 2, and 3 higher level CERES generated data products. Verification is made to ensure that EDOS receives a storage status notice upon completion of the archiving process. NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine. For further information concerning AutoSys, please refer to	ON HOLD	CERES On HOLD (Meets the pre-certification requirements)		EGS 10 EGS11		
L-LC-6 (contd)								

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L-LC-6 (Contd)		<p>"Release A Operations Tool Manual" 609-DR-002-001 (9/96). _____B_____</p> <p>B090110.070\$L</p> <p>CERES Level 1B/2/3 Data Processing and Archive at the LaRC DAAC (Fault)</p> <p>The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. Also, this test will verify the capability to detect and correct errors during the archiving of the CERES Level 1B higher level data products. Errors occurring during this test involve the failure of the CERES Level 1B data products to be archived due to the unavailability of the data server. The test will continue once the Data Server is restored and the CERES Level 1B data will be archived. In addition, the CERES Level 2 and 3 higher level data will be generated and archived error-free.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine. For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <p>_____</p>						
		<p>B120430.010\$L</p>						

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L-LC - 6 (Contd.)		<p>CERES Production Planning The CERES Production Planning test case verifies that the ECS develops the plans and schedules and coordinates input data needs for generating CERES products at the LaRC DAAC. B120430.040\$L</p> <p>CERES Product Generation and Archiving The CERES Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (Section12.3.1.1). The inputs to this test case include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2),</p> <p>.</p> <p>B090110.070\$L</p> <p>CERES Level 1B/2/3 Data Processing and Archive at the LaRC DAAC (Fault)</p> <p>The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. Also, this test will verify the capability to detect and correct errors during the archiving of the CERES Level 1B higher level data products. Errors occurring during this test involve the failure of the CERES Level 1B data products to be archived due to the unavailability of the data server. The test will continue once the Data Server is restored and the CERES Level 1B data will be archived. In addition, the CERES Level 2 and 3 higher level data will be generated and archived error-free.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the</p>						

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L - LC - 6 (Contd.)		<p>Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event</p> <p>Processor to perform a specific task on a configured client machine. For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B120430.010\$L CERES Production Planning The CERES Production Planning test case verifies that the ECS develops the plans and schedules and coordinates input data needs for generating CERES products at the LaRC DAAC.</p> <hr/> <p>B120430.040\$L CERES Product Generation and Archiving The CERES Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (Section12.3.1.1). The inputs to this test case include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2),</p>						
L-LC-7	<p>MISR Processing and Archive Drop 3.5</p> <p>This scenario exercises: 1) Planning of the MISR L1A and L1B processing; 2) Processing of the MISR L0 data to produce MISR L1A and L1B products; and 3) Archival of</p>	<p>B090110.110\$L MISR Level 1A/1B Data Processing and Archive at the LaRC DAAC The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1A and 1B MISR higher level data products. The processing of the higher level MISR data products is achieved via</p>		Meets the pre-certification requirements		EGS 10 EGS 11		

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	MISR L1A and L1B products in LDAAC_ECS	<p>the chaining of MISR PGEs. Also, this test is to verify the capability of the LaRC ECS DAAC to archive Level 1A and 1B higher level MISR generated data products. Verification is made to ensure that EDOS receives a storage status notice upon completion of the archiving process.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine.</p> <p>For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B090110.120\$L</p> <p>MISR Level 1A/1B Data Processing and Archive at the LaRC DAAC (Fault)</p> <p>The purpose of this test is to verify the capability of the LaRC ECS DAAC to detect and correct errors that occur during the processing of the MISR Level 0 data and metadata into Level 1A data products. Errors occurring during this test involve the failure of PGEs to be staged during processing. This test verifies the ability of the fault to be detected and corrected in order to continue with the generation of the MISR Level 1A and 1B data products.</p> <p>NOTE: This test procedure deals heavily with the AutoSys</p>						

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		<p>COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine.</p> <p>For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B120510.040\$L MISR and MOPITT Product Generation and Archiving The MISR and MOPITT Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives MISR products, and archives MOPITT products.</p> <hr/> <p>B120510.010\$L The MISR and MOPITT Production Planning</p> <p>The MISR and MOPITT Production Planning test case verifies that the ECS develops the plans and schedules and coordinates input data needs for generating MISR and MOPITT products at the LaRC DAAC. This test case focuses on planning and scheduling the production of the MIS04 (Top of Atmosphere and Cloud Product) and MOP03 (CO (Carbon Monoxide) Profiles) products. The inputs to this test case include production requests, product thread information, and data availability</p>						

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		<p>predictions for MIS04 and MOP03 products, as well as LaRC DAAC resource profiles.</p> <p>-----</p> <p>B090110.120\$L MISR Level 1A/1B Data Processing and Archive at the LaRC DAAC (Fault) The purpose of this test is to verify the capability of the LaRC ECS DAAC to detect and correct errors that occur during the processing of the MISR Level 0 data and metadata into Level 1A data products. Errors occurring during this test involve the failure of PGEs to be staged during processing. This test verifies the ability of the fault to be detected and corrected in order to continue with the generation of the MISR Level 1A and 1B data products.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine.</p> <p>For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <p>-----</p> <p>B120510.040\$L MISR and MOPITT Product Generation and Archiving</p>						

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		<p>The MISR and MOPITT Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives MISR products, and archives MOPITT products.</p> <hr/> <p>B120510.010\$L The MISR and MOPITT Production Planning The MISR and MOPITT Production Planning test case verifies that the ECS develops the plans and schedules and coordinates input data needs for generating MISR and MOPITT products at the LaRC DAAC. This test case focuses on planning and scheduling the production of the MIS04 (Top of Atmosphere and Cloud Product) and MOP03 (CO (Carbon Monoxide) Profiles) products. The inputs to this test case include production requests, product thread information, and data availability predictions for MIS04 and MOP03 products, as well as LaRC DAAC resource profiles.</p>						
L-LC-8	MOPITT Archive The scenario exercises: 1) archival of MOPITT L ?? products in LDAAC_ECS. <i>Issue - as documented in 12/9/97 mtg. (subscription for L0 to SCF, SCF dist. To users first 6 months ???)</i>	B120510.040\$L MISR and MOPITT Product Generation and Archiving The MISR and MOPITT Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives MISR products, and archives MOPITT products.		In B120510.040\$L, The currently traced test refer to product generation and archival. This is to be modified for ingest and archival of MOPITT products from MOPITT SCF Steps 870 and beyond satisfy archival of the products		EGS10, EGS11		
L-LC-9	SAGE III Archive The scenario exercises: 1) Archival of SAGE III L ??? products at LDAAC_ECS <i>Issue - as documented in 12/9/97 mtg. Drop 4</i>		ON HOLD	SAGE III On HOLD				
L-LC-10	CERES Distribution to the CERES SCF Drop 1 The scenario exercises: 1) the subscription for retrieval and distribution of CERES L1B, L2, and	B100220.020\$L The Product QA test verifies that members of the LaRC DAAC staff can view a list of products requiring QA by the SCF's and can assist the SCF's in conducting QA on those products. This	ON HOLD	CERES On HOLD		EGS10 EGS11		

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	L3 data to the CERES SCF; and 2) the receipt and successful ingest of the CERES L1B, L2, and L3 data by the CERES SCF	<p>test verifies that the products and there associated metadata are provided to the SCF's when requested. Also verified by this test is the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCF's that contain, at a minimum, product identification, DAAC QA results, storage and processing information, and be able to append these reports to the associated archived data products</p> <hr/> <p>B120430.050\$L The CERES Product Distribution</p> <p>The CERES Product Distribution test case verifies that the ECS processes user requests for CERES products and distributes the products requested. In this test case, the users already know which products and data they want to receive.</p>						
L-LC-11	<p>MISR Distribution to the MISR SCF Drop 1</p> <p>This scenario exercises: 1) the subscription for retrieval and distribution of MISR L1A and L1B data to MISR SCF; 2) the receipt and successful ingest of the MISR L1A and L1B data by the MISR SCF</p>	<p>B100220.020\$L The Product QA test verifies that members of the LaRC DAAC staff can view a list of products requiring QA by the SCF's and can assist the SCF's in conducting QA on those products. This test verifies that the products and there associated metadata are provided to the SCF's when requested. Also verified by this test is the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCF's that contain, at a minimum, product identification, DAAC QA results, storage and processing information, and be able to append these reports to the associated archived data products</p> <hr/> <p>B120510.050\$L MISR and MOPITT Product Distribution The MISR and MOPITT Product Distribution test case verifies that the ECS processes user requests for MISR and MOPITT products and distributes the products requested. In this test case, the user already knows which products he/she desires to receive.</p>	B120510.050\$L DELETED	<p>The AT B100220.020\$L, addresses the Science QA at the SCF, there is however lack of clarity about verifying the data transmission to SCF and receipt at the SCF. The step by step procedures are to be reviewed and updated to specify data transmission to SCF and an acknowledgment from the SCF.</p> <p>B120430.050\$L is not relevant as this AT connected with MISR and MOPITT data distribution to users This has since been deleted.</p>	.	EGS10, EGS11		
		<p>L-ICT- 1 LDAAC to MISR SCF Interface Confidence Test</p>						

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Scenario	OPS Rehearsals Launch Critical Scenario (Task/Activity/Operation)	Pre-Certification Tests (SV/AT Tests & ICT Tests)	Status of Pre-Certification Tests	Comments on the Expected Results, Acceptance Criteria & Operation Procedures	NCR Status (#, Class, Status)	EGS Information		Operation Procedures Status (% Complete)
						EGS Test	Test Data Status	
L-LC-12.	MOPITT L0 Distribution to the MOPITT SCF Drop 1 This scenario exercises: 1) the subscription for retrieval and distribution of MOPITT L0 data to MOPITT SCF; 2) the receipt and successful ingest of the MOPITT L0 data by the MOPITT SCF	B100220.020\$L The Product QA test verifies that members of the LaRC DAAC staff can view a list of products requiring QA by the SCF's and can assist the SCF's in conducting QA on those products. This test verifies that the products and there associated metadata are provided to the SCF's when requested. Also verified by this test is the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCF's that contain, at a minimum, product identification, DAAC QA results, storage and processing information, and be able to append these reports to the associated archived data products B120510.050\$L The MISR and MOPITT Product Distribution test case verifies that the ECS processes user requests for MISR and MOPITT products and distributes the products requested. In this test case, the user already knows which products he/she desires to receive.		The ATs B100220.020\$L is not relevant to this scenario, as it refers to the science QA of products at the SCF. The scenario requires distribution of MOPITT L0 data to MOPITT SCF, New AT is to be identified for distribution of MOPITT L0 data to MOPITT SCF B120430.050\$L is not relevant as this AT connected with MISR and MOPITT data distribution to users		EGS10, EGS11		
		L-ICT- 1 LDAAC to MOPITT SCF Interface Confidence Test						
L-LC-13.	SAGE III Distribution to the SAGE III SCF Drop 4 This scenario exercises: 1) the subscription for retrieval and distribution of SAGE III L0 data to SAGE III SCF; 2) the receipt and successful ingest of the SAGE III L0 data by the SAGE III SCF.		ON HOLD	SAGE III On HOLD				
L-LC-14.	Science QA of CERES L1B, L2, and L3 Processing Drop 2 & 5 The scenario exercises: 1) Completion of science QA by CERES team members; 2) return of the science QA information to LDAAC_ECS; and 3) the updating of	B090110.030\$L CERES Level 1B/2/3 Data Processing and Archive at the LaRC DAAC The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. The processing of the higher level CERES data products is	ON HOLD	CERES ON HOLD		EGS10, EGS11		

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	science QA within LDAAC_ECS	<p>achieved via the chaining of a series of CERES PGEs. Also, this test is to verify the capability of the LaRC ECS DAAC to archive Level 1B, 2, and 3 higher level CERES generated data products. Verification is made to ensure that EDOS receives a storage status notice upon completion of the archiving process.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine.</p> <p>For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B090110.070\$L CERES Level 1B/2/3 Data Processing and Archive at the LaRC DAAC (Fault)</p> <p>The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. Also, this test will verify the capability to detect and correct errors during the archiving of the CERES Level 1B higher level data products. Errors occurring during this test involve the failure of the CERES Level 1B data products to be archived due to the unavailability of the data server. The test will continue once the</p>						

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		<p>Data Server is restored and the CERES Level 1B data will be archived. In addition, the CERES Level 2 and 3 higher level data will be generated and archived error-free.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor, and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database for events to be processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine. For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B100220.020\$L LARC Product QA</p> <p>The Product QA test verifies that members of the LaRC DAAC staff can view a list of products requiring QA by the SCF's and can assist the SCF's in conducting QA on those products. This test verifies that the products and there associated metadata are provided to the SCF's when requested. Also verified by this test is the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCF's that contain, at a minimum, product identification, DAAC QA results, storage and processing information, and be able to append these reports to the associated archived data products</p>						

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						EGS Test	Test Data Status	
L - LC - 14		<p>B120430.040\$L CERES Product Generation and Archiving</p> <p>The CERES Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (Section12.3.1.1). The inputs to this test case include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2), For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p>						
		<p>B090110.070\$L CERES Level 1B/2/3 Data Processing and Archive at the LaRC DAAC (Fault)</p> <p>The purpose of this test is to verify the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1B, 2, and 3 CERES higher level data products. Also, this test will verify the capability to detect and correct errors during the archiving of the CERES Level 1B higher level data products. Errors occurring during this test involve the failure of the CERES Level 1B data products to be archived due to the unavailability of the data server. The test will continue once the Data Server is restored and the CERES Level 1B data will be archived. In addition, the CERES Level 2 and 3 higher level data will be generated and archived error-free.</p> <p>NOTE: This test procedure deals heavily with the AutoSys COTS software product. AutoSys is a job scheduling and management software that provides mainframe batch scheduling functionality in a distributed UNIX environment. AutoSys has three primary components: AutoSys database, Event Processor,</p>						

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L - LC - 14 (Contd.)		<p>and Remote Agent. The AutoSys database, also known as the Event Server, is the data repository for all system events, and for all job, monitor, and report definitions. The Event Processor is AutoSys's scheduling engine. It continuously queries the AutoSys database</p> <p>B120430.040\$L CERES Product Generation and Archiving</p> <p>The CERES Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (Section12.3.1.1). The inputs to this test case include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2),</p> <p>processed and performs necessary job and resource management actions. The Remote Agent is a transient process that is initiated by the Event Processor to perform a specific task on a configured client machine.</p> <p>For further information concerning AutoSys, please refer to "Release A Operations Tool Manual" 609-DR-002-001 (9/96).</p> <hr/> <p>B100220.020\$L LARC Product QA</p> <p>The Product QA test verifies that members of the LaRC DAAC staff can view a list of products requiring QA by the SCF's and can assist the SCF's in conducting QA on those products. This test verifies that the products and there associated metadata are provided to the SCF's when requested. Also verified by this test is the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCF's that</p>						

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						EGS Test	Test Data Status	
		<p>contain, at a minimum, product identification, DAAC QA results, storage and processing information, and be able to append these reports to the associated archived data products</p> <hr/> <p>B120430.040\$L CERES Product Generation and Archiving</p> <p>The CERES Product Generation and Archiving test case verifies that the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (Section12.3.1.1). The inputs to this test case include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2), include the LaRC DAAC daily production schedule and DPRs generated in the CERES Production Planning test case (Section 12.3.1.1) and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test case (Section 12.3.1.2),</p>						
L-LC-15	<p>Science QA of MISR L1A and L1B Processing This scenario exercises: 1) completion of science QA by MISR team members; 2) return of the science QA information to LDAAC_ECS; and 3) the updating of science QA within LDAAC_ECS.</p>	<p>Push-B090110.110\$L This procedure verifies the capability of the LaRC ECS DAAC to extract and analyze associated metadata and generate Level 1A and 1B MISR higher level data products. It also verifies the capability of the LaRC ECS DAAC to archive Level 1A and 1B higher level MISR generated data products.</p> <hr/> <p>Push-B090110.120\$L This procedure verifies the capability of the LaRC ECS DAAC to detect and correct errors that occur during the processing of the MISR Level 0 data and metadata into Level 1A data products.</p> <hr/> <p>Pull-B100220.020\$L This procedure verifies that member of the LaRC DAAC PGS staff can view a list of products requiring QA by the SCFs and can</p>	<p>SV / AT's DELETED:</p> <p>B090110.110\$L B090110.120\$L B120510.040\$L</p>	<p>The AT tests adequately cover the scenario.</p>		<p>EGS10 EGS11</p>		

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						EGS Test	Test Data Status	
		<p>assist the SCFs in conducting QA on those products. This procedure also verifies products and their associated metadata are provided to the SCFs when requested. This procedure also verifies the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCFs, and be able to append these reports to the associated archived data products.</p> <p>E to E-B120510.040\$L</p> <p>This procedure verifies the LaRC DAAC generates and archives MISR products, and archives MOPITT products.</p>						
		ICT1						
L-LC-16	<p>Search, Order, Distribution, and Inspection of CERES L1B, L2, and L3 Products</p> <p>This scenario exercises: 1) search for CERES L1B, L2, and L3 products using the ECS Client; 2) order CERES L1B, L2, and L3 products using the ECS client; 3) distribution of CERES L1B, L2, and L3 products using subscription service; and 4) inspection of CERES L1B, L2, and L3 products using Client, HDF and other inspection tools.</p>	<p>Pull-B100220.020\$L</p> <p>This procedure verifies that member of the LaRC DAAC PGS staff can view a list of products requiring QA by the SCFs and can assist the SCFs in conducting QA on those products. This procedure also verifies products and their associated metadata are provided to the SCFs when requested. This procedure also verifies the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCFs, and be able to append these reports to the associated archived data products.</p>	ON HOLD	CERES processing at the LaRC DAAC is on hold.		EGS10 EGS11		
L-LC-17	<p>Search, Order, Distribution, and Inspection of MISR L1A and L1B Products</p> <p>This scenario exercises: 1) search for MISR L1A and L1B products using the ECS Client; 2) order MISR L1A and L1B products using the ECS Client; 3) distribution of MISR L1A and L1B products using subscription service; and 4) inspection of MISR L1A and L1B products using Client,</p>	<p>Pull-B100220.020\$L</p> <p>This procedure verifies that member of the LaRC DAAC PGS staff can view a list of products requiring QA by the SCFs and can assist the SCFs in conducting QA on those products. This procedure also verifies products and their associated metadata are provided to the SCFs when requested. This procedure also verifies the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCFs, and be able to append these reports to the associated archived data products.</p>		<p>The ECS Client should be used to search for or order MISR L1A and L1B products and submit a Subscription request.</p> <p>The LaRC DAAC personnel should Inspect the MISR L1A and L1B products using Client, HDF or other inspection tools.</p>		EGS10 EGS11		

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	HDF, and other inspection tools.							
L-LC-18	Search, Order, Distribution, and Inspection of MOPITT L?? Products This scenario exercises: 1) search for MOPITT L(TBD) products using the ECS Client; 2) order MOPITT L(TBD) products using the ECS client; 3) distribution of MOPITT L(TBD) products using subscription service; and 4) inspection of MOPITT L(TBD) products using Client, HDF, and other inspection tools.	Pull-B100220.020\$L This procedure verifies that member of the LaRC DAAC PGS staff can view a list of products requiring QA by the SCFs and can assist the SCFs in conducting QA on those products. This procedure also verifies products and their associated metadata are provided to the SCFs when requested. This procedure also verifies the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCFs, and be able to append these reports to the associated archived data products.		The ECS Client should be used to search for or order MISR L1A and L1B products and submit a Subscription request. The LaRC DAAC personnel should Inspect the MISR L1A and L1B products using Client, HDF or other inspection tools.		EGS10 EGS11		
L-LC-19	Search, Order, Distribution, and Inspection of SAGE III L?? Products This scenario exercises: 1) search for SAGE III L(TBD) products using the ECS Client; 2) order SAGE III L(TBD) products using the ECS client; 3) distribution of SAGE III L(TBD) products using subscription service; and 4) inspection of SAGE III L(TBD) products using Client, HDF, and other inspection tools.	Pull-B100220.020\$L This procedure verifies that member of the LaRC DAAC PGS staff can view a list of products requiring QA by the SCFs and can assist the SCFs in conducting QA on those products. This procedure also verifies products and their associated metadata are provided to the SCFs when requested. This procedure also verifies the LaRC DAACs ability to interface (via email and telephone) with the SCF's QA personnel for product support, use EOSView to help QA products, receive QA reports from the SCFs, and be able to append these reports to the associated archived data products.	ON HOLD	SAGE III processing at the LaRC DAAC is on hold.	.	EGS10 EGS11		
L-LC-20	System Aministratation This scenario exercises: 1) the ability to manage the DCE cell for LDAAC_ECS including the exercise of add, delete, and edit capabilities; 2) the ability to startup, shutdown, backup, and recover the LDAAC_ECS system; 3) the ability to add, delete, and modify internal users; 4) the ability to recover from a network failure; and 5) TBD other administrative capabilities.	B080110.010\$L : The test covers the requirements well accept that there should be a step to verify the usability and accuracy of the documentation by testing as many of the procedures as possible and at the least the most critical procedures, i.e. failure recovery, mode management, performance evaluation, administrative actions, and security. B080110.020\$L : This test covers the corresponding part of the scenario well. B080120.010\$L : This test covers the corresponding part of the scenario well. B080130.020\$L : This test covers the corresponding part of the	FOLLOWING SV/AT'S AND END TO END ARE DELETED: B080110.010\$L B080110.020\$L B080120.010\$L B080130.020\$L B080140.010\$L B080140.020\$L B080150.010\$L B080150.020\$L	— B080110.020, B080120.010\$L, B080130.020\$L, B080140.020\$L, B080150.010\$L, B080150.020\$L, B080160.020\$L, B080170.010\$L, B080170.020\$L, B080170.030\$L, B080170.040\$L, B080610.010\$L,		EGS10		

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		<p>scenario well.</p> <p>B080140.010\$L: This test needs steps added in which a single server goes down simulating a crash of one server.</p> <p>B080140.020\$L: This test covers the corresponding part of the scenario well.</p> <p>B080150.010\$L: This test covers the corresponding part of the scenario well.</p> <p>B080150.020\$L: Steps need to be added to verify that the changes in the database were committed.</p> <p>B080160.020\$L: This test covers the corresponding part of the scenario well.</p>	<p>B080160.020\$L B080610.010\$L B080610.030\$L B080610.040\$L B080620.010\$L B080620.020\$L B080630.010\$L B080630.020\$L B080710.010\$L B080710.020\$L B080730.010\$L B120110.020\$L B120110.010\$L</p>	<p>B080610.030\$L, B080610.040\$L, B080620.030\$L, B080710.010\$L, B080730.010\$L: These tests cover the accepted criteria and expected results well. B080110.010\$L: In the Acceptance Criteria, the usability and accuracy of the documentation should be verified by specifying that the test is not complete until after the documentation is compared or used in execution of the tests that correspond to the specific part of the documentation. B080140.010\$L: One server aborting or being stopped sometimes means that one or more other servers may have be stopped and restarted (server dependencies should be documented and consulted). B080150.020\$L: After adding and deleting a data type and updating an ESDT, the tester should log out of the database then back in to verify that database change was committed. B080620.010\$L: The criteria for the workaround must verify the transfer within one minute of the operator's request with successful completion of spacecraft operation after transition. Steps are needed in this test for fault detection,</p>				

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				isolation, and analysis to verify that the EOC can transfer spacecraft control from one set of hardware and software components to another to work around a fault or anomaly. B080620.020\$L : Needs to state that success criteria is successful access to site-specific databases and configuration data during a network fault. B080630.010\$L : Criteria also needs to state that the data access log contains readable and accurate data. Steps are needed after the data access log is accessed to verify that the correct username, timestamp, etc. is accurate in the data access log. B080630.020\$L : Criteria is successful receipt of email message containing an attached file and the successful submission of IMS information to SMC. Testing is needed for the following: 1) to verify that files may be attached to email messages, i.e. send a log file to SMC via email; 2) to verify that IMS provides IMS services usage by each user to SMC. username, timestamp, etc. is accurate in the data access log. (Traces to 21 ATs are deleted from the scenario recently . Its effect will be				

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						EGS Test	Test Data Status	
				analyzed and appropriate action will be taken)				
L - LC - 20 (Contd)		<p>B080170.010\$L: This test covers the protocol standards verification of the scenario well.</p> <p>B080170.020\$L: This test covers the FTP to ECS external systems part of the scenario well.</p> <p>B080170.030\$L: This test covers the communication between LaRC and GSFC, EDC, NSIDC, SMC, and EOC part of the scenario well.</p> <p>B080170.040\$L: This test covers the E-mail connectivity part of the scenario well.</p> <p>B080610.010\$L: This test covers the ECS Network Interface status part of the scenario well.</p> <p>B080610.010\$L: This test covers the network interface status part of the scenario well.</p> <p>B080610.030\$L: This test covers the data flow and Directory Service part of the scenario well.</p> <p>B080610.040\$L: This test covers the Bulletin Board part of the scenario well.</p> <p>B080620.010\$L: Steps are needed in this test for fault detection, isolation, and analysis to verify that the EOC can transfer spacecraft control from one set of hardware and software components to another to work around a fault or anomaly.</p>						
		<p>B080620.020\$L: Test for site network fault management to verify that no single point of failure exists for site-specific network databases and configuration data needs to be added.</p> <p>B080620.030\$L: This test covers the LSM user access security</p>						

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L - LC - 20		<p>part of the scenario well.</p> <hr/> <p>B080630.010\$L: Steps are needed after the data access log is accessed to verify that the correct username, timestamp, etc. is accurate in the data access log.</p> <hr/> <p>B080630.020\$L: Testing is needed for the following: 1) to verify that files may be attached to email messages, i.e. send a log file to SMC via email; 2) to verify that IMS provides IMS services usage by each user to SMC.</p> <hr/> <p>B080710.010\$L: This test covers the LSM accountability tracking part of the scenario well.</p> <hr/> <p>B080710.0.020\$L: This test covers the LSM accounting tracking part of the scenario well.</p> <hr/> <p>B080730.010\$L: This test covers the LSM policies and procedures control part of the scenario well.</p> <hr/>						
L-LC-21	<p>Processing of Science Software algorithm change This scenario exercises: 1) delivery of algorithm change from an instrument team SCF; 2) evaluation of proposed change using LDAAC_ECS test mode; 3) promotion to production of the algorithm change into operations.</p>	<p>B080410.010\$L, TS0860.6, TS0460, TS0405, TS0406, TS0407, TS0461, TS0464, TS0408, B100220.010\$L: These tests cover Science Software algorithm change well. Tests need to be added to evaluate the proposed change using LDAAC_ECS test mode by installing and running the proposed algorithm change in the test mode; and to test the promotion to production of the algorithm change into operations by promoting the algorithm change from LDAAC_ECS test mode to LDAAC_ECS operation mode.</p>	<p>FOLLOWING SV's ARE DELETED:</p> <p>TS0406 TS0407 TS0461 TS0464 TS0408</p>	<p>——B080410.010\$L, TS0860.6, TS0460, TS0405, TS0406, TS0407, TS0461, TS0464, TS0408, B100220.010\$L: These tests cover Science Software algorithm change well. Criteria needs to be added in which the acceptance criteria includes the successful installation and running of the proposed algorithm change using LDAAC_ECS test mode; and successful promotion to production of the algorithm change from LDAAC_ECS test</p>	.	EGS10		

Pre-Certification Test Activity Matrix - LaRC DAAC Launch Critical Scenarios. (MARCH 1998)

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Scenario	OPS Rehearsals Launch Critical Scenario (Task/Activity/Operation)	Pre-Certification Tests (SV/AT Tests & ICT Tests)	Status of Pre- Certification Tests	Comments on the Expected Results, Acceptance Criteria & Operation Procedures	NCR Status (#, Class, Status)	EGS Information		Operation Procedures Status (% Complete)
						EGS Test	Test Data Status	
				mode to LDAAC_ECS operation mode. Tests need to be added to evaluate the proposed change using LDAAC_ECS test mode by installing and running the proposed algorithm change in the test mode; and to test the promotion to production of the algorithm change into operations by promoting the algorithm change from LDAAC_ECS test mode to LDAAC_ECS operation mode. Traces to 5 SV tests have been deleted recently. Its effect will be analyzed.				
L-LC-22	ESDT Addition and/or Modification This scenario exercises: 1) creation of a new system ESDT; 2) creation of a new science product ESDT; 3) evaluation of proposed ESDT using LDAAC_ECS test mode; and 4) promotion of new ESDT into operations.	TS0840.1, TS0840.2: These tests cover ESDT additionand/or modification well. Tests need to be added to evaluate the additions and/or modifications using LDAAC_ECS test mode by installing and running a new ESDT and modifying and running an ESDT in the test mode; and to test the promotion to production of the ESDT addition and/or modification into operations by promoting the new and/or modified ESDT from LDAAC_ECS test mode to LDAAC_ECS operation mode.		—— TS0840.1, TS0840.2: The acceptance criteria and expected results cover ESDT additionand/or modification well. Criteria needs to be added in which the acceptance criteria includes the successful installation and running of the additions and/or modifications of the ESDT using LDAAC_ECS test mode; and successful promotion to production of the additions and/or modifications of the ESDT from LDAAC_ECS test mode to LDAAC_ECS operation mode. These tests cover ESDT additionand/or modification well. Tests need to be added to evaluate the additions and/or modifications using		EGS10		

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				LDAAC_ECS test mode by installing and running a new ESDT and modifying and running an ESDT in the test mode; and to test the promotion to production of the ESDT addition and/or modification into operations by promoting the new and/or modified ESDT from LDAAC_ECS test mode to LDAAC_ECS operation mode				
L-LC-23	Establish subscription Service This scenario exercises: 1) creation of new subscription request; 2) evaluation of proposed subscription using LDAAC_ECS test mode; and 3) promotion of new subscription into operations.	TS0256, TS0257: These tests cover creating a new subscription request well. Tests need to be added to evaluate the additions of the subscription requests using LDAAC_ECS test mode by installing and running the new subscription request in the test mode; and to test the promotion to production of the new subscription request into operations by promoting the new subscription request from LDAAC_ECS test mode to LDAAC_ECS operation mode.	FOLLOWING ARE ADDED: TC0294 B100110.010\$L	TS0256, TS0257: The acceptance criteria and expected results cover subscription additionand/or modification well. Criteria needs to be added in which the acceptance criteria includes the successful additions of the new subscription requests using LDAAC_ECS test mode; and successful promotion to production of the new subscription requests from LDAAC_ECS test mode to LDAAC_ECS operation mode. These tests cover creating a new subscription request well. Tests need to be added to evaluate the additions of the subscription requests using LDAAC_ECS test mode by installing and running the new subscription request in the test mode; and to test the promotion to production of the new subscription request into operations by promoting the new subscription request from		EGS10.		

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				LDAAC_ECS test mode to LDAAC_ECS operation mode				
L-LC-24	User Registration This scenario exercises: 1) use of ECS Client to register new user; and 2) use of ECS Client to test privileges established for the new user.	TC0065: This test covers the creation and testing of privileges for a new user well.	FOLLOWING ARE DELETED: TC0065 FOLLOWING ARE ADDED: B100110.010\$L	TC0065: The acceptance criteria and expected results and operations procedures cover the creation and testing of privileges for a new user well	.	EGS10 EGS7		
L-LC-25	Operations, Test, and SSI&T Mode Management This scenario exercises: 1) use of mode management to conduct simultaneous operations and test activities; and 2) use of mode management to conduct simultaneous operations and SSI&T activities.	B080810.010\$L: This test covers the verification of the maintenance of logical and operational separation between test or training modes and the site production mode well. B120110.050\$L: This test covers the simultaneous operation of one test mode and one other mode well. TC0113, TS0700.1, TS0700.2, TCC0114, TS0460, TS0445: These tests cover the Operations, Test, and SSI&T Mode Management scenario well.		B080810.010\$L: The acceptance criteria and expected results and operations procedures cover the verification of the maintenance of logical and operational separation between test or training modes and the site production mode well. B120110.050\$L: The acceptance criteria and expected results and operations procedures cover the simultaneous operation of one test mode and one other mode well. TC0113, TS0700.1, TS0700.2, TCC0114, TS0460, TS0445: The acceptance criteria and expected results and operations procedures cover the Operations, Test, and SSI&T Mode Management scenario well.		EGS10		
L-LC-26	Full SSI&T for New PGE This scenario exercises: 1) delivery, inspection, and infusion testing of a new PGE and associated test data;	B100220.010\$L, TS0860.6, TS0460, TS0405, TS0406, TS0407, TS0461, TS0464, TS0408: These tests cover the full SSI&T for New PGE scenario well.		—— B100220.010\$L, TS0860.6, TS0460, TS0405, TS0406, TS0407, TS0461,		EGS10		

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	2) integration testing of the new PGE to include chaining for higher level products; and 3) promotion of the PGE into operations using actual data from EOS AM-1.			TS0464, TS0408: The acceptance criteria and expected results and operations procedures cover the full SSI&T for New PGE scenario				
L-LC-27	Reprocessing This scenario exercises: 1) reprocessing of a PGE with input and output parameters for TBD reason; 2) archival of the product; 3) inspection of the resulting product; and 3) DAAC QA of the product. New test(s) are needed to handle reprocessing of a PGE with new/modified input and output parameters; archival of the product; inspection of the resulting product; and DAAC QA of the product. (1 week	New Adhoc Reprocessing Test: These procedures are TBD.		—— These procedures are TBD. These procedures are TBD.				
L-LC-28	Subsetting: Drop5 This scenario exercises: 1) request of data from the GDAAC to perform processing of CERES L2 product; 2) data will be subsetting MODIS L1B product; and 3) L2 CERES product produced and archived.	B100110.100\$L (112497 larcpull): This procedure verifies the ECS provides the user with the capability to view information pertaining to orderable data products and formulate a request for the selected data. B090110.010\$L (112497 larcpull): This procedure verifies that data can be requested and distributed to the requester.		B100110.100\$L: This procedure covers the Subsetting scenario well. B090110.010\$L (112497 larcpull): This procedure covers the scenario well.		EGS10 EGS11		
L-LC-29	L1A and L1B processing Failure Recovery: Drop 4 This scenario exercises: 1)The recovery from L0 ingest failure; 2) recovery from ancillary ingest failure; 3) recovery from failure in any of the processing steps from L0-to-L1A-to-L1B for MISR, and L0-to-L1B-to-L2-to-L3 for CERES.	B120430.040\$L: This procedure verifies that the LaRC DAAC can generate and archive CERES products). Note: The inputs to this test includes the LaRC DAAC daily production schedule and DPRs as they are generated in the other CERES Production Planning test and the AM-1 CERES Level 0 data ingested in the CERES Level 0 Data Ingest and Archiving test. B120510.040\$L: This test procedure verifies that the LaRC DAAC generates and archives MISR and MOPITT products.	CERES ON HOLD.	B120430.040\$L: This procedure covers the L1A and L1B processing Failure Recovery scenario well. B120510.040\$ This procedure has been modified to cover the L1A and L1B processing failure recovery scenario. Also, the "Note" paragraph has been deleted		EGS 11		

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		Note: The inputs to this test includes the LaRC DAAC daily production schedule and DPRs generated in the MISR and MOPITT Production Planning test and the MISR and MOPITT Level 0 data ingested in the MISR and MOPITT SCFs Level 0 Data Ingest and Archiving test.						
		ICT3						
L-LC-30	Cross-DAAC Data Transfer: Drop 4 (via remote acquires) & 5 This scenario exercises 1) TBD data transfer between GDAAC and LDAAC.	B120430.040\$L This procedure verifies that the LaRC DAAC can generate and archive CERES products. B120510.040\$L (112497larcend): This test procedure verifies that the LaRC DAAC generates and archives MISR and MOPITT products.	CERES ON HOLD	B120430.040\$L This procedure does not cover transfer of data between GDAAC and LaRC. Requirements not met. B120510.040\$L (112497larcend):- This procedure covers transfer of data between EDC, LaRC and NSIDC and does not cover data transfer between LaRC and GDAAC. Requirements partially met.		EGS10 EGS11		
L-LC-31	Trouble Ticketing: Drop3.5 This scenario exercises 1)encountering an error within the system processing; 2) completing a Trouble Ticket according to LDAAC procedures; and 3) submission of the Trouble Ticket to the database via the Remedy software.	TC0021: This test procedure verifies that the Trouble Ticketing Service maintains different trouble ticket status's to include Assigned, Forwarded, and Solution Implemented. TC0022: This test procedure verifies that the Trouble Ticketing Service provides the internal user the ability to search for current trouble tickets relating to the same source and historical trouble tickets utilizing keyword(s). TC0023: This test procedure verifies that the Trouble Ticketing Service is able to store information that is pertinent to trouble tickets, and retrieve this information at a later time. TC0024: This test procedure verifies that the Trouble Ticketing Service		TC0021 - TC0032 These procedures covers trouble ticketing scenario very well.		EGS10		

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		<p>allows the user to generate reports from its database and print to a screen or printer.</p> <hr/> <p>TC0025: This test procedure verifies that the Trouble Ticketing Service provides customization features that enable internal users from other locations to specify notification and escalation rules.</p> <hr/> <p>TC0026: This test procedure verifies that the Trouble Ticketing Service provides a graphical user interface to support the entry, submission, and editing of trouble tickets by a registered user.</p> <hr/>						
L - LC - 31		<p>TC0027: This test procedure verifies that the Trouble Ticketing Service enables the user to enter trouble tickets from another application program.</p> <hr/> <p>TC0028: This test procedure verifies that the Contact Log Service is able to store information that is pertinent to contact logs, status (logged, open, closed), contactdescription, contact name, receiving operator, received time, modified date, modified by, and category. Contact log service also allow creation of trouble ticket and also access of trouble ticket from contact log.</p> <hr/> <p>TC0029: This test procedure verifies that the Contact Log Service enables an internal user to search for historical and current contact log using category, user id, associated trouble ticket, contact organization, contact home DAAC, contact phone number, and contact id.</p> <hr/> <p>TC0030: This test procedure verifies that the Contact log Service allows the user to generate reports from its database and print to a screen or printer.</p>						

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		<p>TC0031: This test procedure verifies that the Contact Log Service provides a graphical user interface to support the entry, submission, and editing of Contact Log by a operator of the system.</p> <p>TC0032: This test procedure verifies that the Contact Log Service enables the user to enter contact logs from another application program.</p>						
L-LC-32	<p>Planning: Drop 2 and 4 This scenario exercises 1) TBD</p>	<p>B080310.010\$L: This procedure is designed to test LaRC ECS DAAC's operational capabilities in requesting, accessing and making use of scheduling information received from the SMC.</p> <p>B080320.010\$L: This test procedure evaluates procedures for adjudicating cross-site and cross-facility schedule conflicts in the best interests of the systems users and in a manner that promotes the most efficient use of all ECS sites and the total ECS system.</p> <p>B090140.010\$L: This is a new procedure that was referenced in the matrix. However, no description could be provided for this procedure because it could not be found.</p> <p>B090130.010\$L (112497 larcpush): This test procedure verifies the ability of the LaRC ECS DAAC to ingest ancillary data from the NOAA ADC (NESDIS) that is used in the generation of MOPITT, MISR, and CERES AM-1 higher level data products.</p> <p>B120510.010\$L: This test procedure verifies that the ECS develops the plans and schedules and coordinates input data needs for generating MISR</p>	<p>THE FOLLOWING HAVE BEEN DELETED:</p> <p>B080310.010\$L B080320.010\$L B090140.010\$L B120430.010\$L</p>	<p>B080310.010\$L: This test procedure covers scheduling and planning very well. However, because no scenario has been provided for L-LC-32, it could not be determined that the test procedure will verify this scenario as required. The scenario is TBD.</p> <p>B080320.010\$L: This test procedure covers conflict resolution very well. However, because no scenario has been provided for L-LC-32, it could not be determined that the test procedure will verify this scenario as required.</p> <p>B090130.010\$L (112497 larcpush): This test procedure does not cover planning and should be referenced to Scenarios L-LC-1, 2, and 3.</p> <p>This test procedure has been removed and replaced with B090140.010\$L</p> <p>B120510.010\$L:</p>		EGS10		

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		and MOPITT products at the LaRC DAAC.		This test procedure covers planning for generating MISR and MOPITT products at the LaRC DAAC very well. However, because no scenario has been provided for L-LC-32, it could not be determined that the test procedure will verify this scenario as required. Could not find this test procedure in the new test procedure documentation. Therefore, the assumption is that this procedure has been deleted or combined with another procedure.				
		ICT1						
L-LC-33	Data restricted Access: Drop 5 This scenario exercises 1) Restricting data based upon QA flag to a user that has submitted a subscription for the data.	B080150.020\$L: This test procedure 1) demonstrates that interfaces between the ECS Subsystem Servers and their respective M&O Administrative terminal(s) support Maintenance of ECS Data bases (DB); 2) Demonstrates that maintenance of ECS DBs do not require a "change" of display screens after modification of data base structures provided by ECS DB servers; 3) Demonstrates capabilities to interrupt maintenance session and restart the session without loss of information; and 4) Verifies through Inspection that LaRC LSM data base maintenance capabilities reflect cross site standards for maintenance of ECS Data bases. B080630.010\$L: This test procedure verifies the LSM ability to control user access and prevention of data corruption resulting from unauthorized access. B080630.020\$L: This test procedure verifies the LSM security functions; such as maintaining, authenticating, and monitoring user and device accesses and privileges; performing security testing that includes,		B080150.020\$L: This test procedure does not cover database Restriction as referenced in Scenarios L-LC-32. B080630.010\$L: Meet requirements. B080630.020\$L: Meet requirements. B080150.020\$L: This test does not cover this scenario. Should probably be referenced to L-LC-22 - ESDT Addition and/or Modification. B080630.010\$L: This test covers the data restricted access scenario very well.		EGS7 EGS10		

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L-LC-33 (Contd.)		password auditing and site internal access/privileges checking; performing compromise detection (e.g. virus or worm penetration); and performing risk detection and analyses. B100110.010\$L: (112497larcpull) This test verifies that ECS is accessible to the users via network connection (TCP/IP or NSI) and direct connection to the EOSDIS Backbone Network (EBNet) connection. Also, this test verifies the user registration process for a ECS client user.		B080630.020\$L: This test covers the data restricted access scenario very well. B100110.010\$L: This test does not cover this data restricted access scenario.		ICT3 EGS10 EGS11		
L-LC-34	Standing Order: Drop1 & 5 This scenario exercises 1) ability of a user to submit a standing order.	B100110.010\$L: (112497larcpull) This test verifies that ECS provides the users with the capability to view information pertaining to orderable data products and formulate a request for the selected data.		B100110.100\$L: This test covers the standing order scenario very well.		EGS10		
L-LC-35	Operational QA of CERES L1B, L2, and L3 Processing This scenario exercises: 1) inspection of CERES L1B, L2, and L3 products using Client, HDF, and other inspection tools; 2) completion of operations QA by the DAAC staff; 3) return of the operations QA information to LDAAC_ECS; and 4) the updating of operations QA within QA within LDAAC_ECS.	E to E-B120430.040\$L This procedure verifies the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (E to E-B120430.010\$L).	ON HOLD	CERES processing at the LaRC DAAC is on hold.		EGS10 EGS11		
		ICT1						
L-LC-36	Operational QA of MISR L1A and L1B Processing This scenario exercises: 1) inspection of MISR L1A and L1B products using Client, HDF, and other inspection tools; 2) completion of operations QA by the LDAAC staff; 3) return of the operations QA information to LDAAC_ECS; and 4) the updating of operations QA within QA within LDAAC_ECS.	E to E-B120510.040\$L This procedure verifies the LaRC DAAC generates and archives MISR products, and archives MOPITT products.	THE FOLLOWING HAS BEEN DELETED: B120510.040\$L	The LaRC DAAC personnel should inspect the MISR L1A and L1B products using Client, HDF or other inspection tools.		EGS10 EGS11		
		ICT1						

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L-LC-37	Receipt of MODIS Subsetted data for CERES processing This scenario exercises: 1) request of data from the GDAAC to perform processing of CERES L2 product; 2) data will be subsetted MODIS L1B product; and 3) L2 CERES product produced and archived.	E to E-B120430.040\$L This procedure verifies the LaRC DAAC generates and archives CERES products resulting from the CERES processes identified in the CERES Production Planning test case (E to E-B120430.010\$L).	ON HOLD	CERES processing at the LaRC DAAC is on hold.	.	EGS10 EGS11		